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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet 1 of 1

## Complete if Known

Application Number	10/087,502-Conf. #7312
Filing Date	February 7, 2002
First Named Inventor	Shigeori Takenaka
Art Unit	2853
Examiner Name	To be assigned
Attorney Docket Number	027944.102-US00

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Claim Document	Pages, Columns, Lines, Where Relevant Paragraphs or Relevant Figures Appear
HW	A	4,840,693	06-20-1995	Hill et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>3</sup> Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Claim Document	Pages, Columns, Lines, Where Relevant Paragraphs or Relevant Figures Appear	†
HW	B	JP 09-066065	11-04-1997	NGK Insulators Ltd.		

\*Applicant's unique citation designation number (optional). † See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) at MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. † Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ‡ Applicant is to place a check mark here if English language Translation is attached.

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume/issue number(s), publisher, city and/or country where published.	†
HW	C	Downs, Mark, et al., "New DNA Technology and the DNA Biosensor," Analytical Letters, Vol. 20 (12), pp. 1897-1927 (1987).	
HW	D	Hashimoto, Koji, et al., "DNA sensor for electrochemical gene detection," Preparing for Clinical Case Analyses in the 21st Century, 15th International Symposium, 1996.	
HW	E	Mollner-Jumel, Catherine, et al., "Electrochemical Study of DNA-Antitumor Drugs Interaction," Biochemical and Biophysical Research Communications, Vol. 84, No. 2, pp. 441-49 (1979).	
HW	F	Palecek, Emil, "Adsorptive Transfer Stripping Voltammetry: Determination of Nanogram Quantities of DNA Immobilized at the Electrode Surface," Analytical Biochemistry Vol. 170, pp. 421-31 (1985).	
HW	G	Takenaka, Shigeori, et al., "Bis-9-acridinyl Derivative Containing a Viologen Linker Chain: Electrochemically Active Intercalator for Reversible Labelling of DNA," J. Chem. Soc., Chem. Commun., Vol. 21, pp. 1485-87 (1990).	
HW	H	Takenaka, Shigeori, et al., "DNA Sensing on a DNA Probe-Modified Electrode Using Ferrocenylanthracene Dimide as the Electrochemically Active Ligand," Anal. Chem. Vol. 72, pp. 1334-41 (2000).	
HW	I	Takenaka, Shigeori, et al., "Electrochemically active threading intercalator with high stranded DNA selectivity," J. Chem. Soc., Chem. Commun., No. 10, pp. 1111-12 (1998).	
HW	J	Takenaka, Shigeori, "Synthetic threading intercalators as a new analytical probe for nucleic acid and gene detection," Business Kagaku, Vol. 48, No. 12, pp. 1095-1105 (1999).	
HW	K	Takenaka, Shigeori, et al., "Threading Intercalators as a New DNA Structural Probe," Bull. Chem. Soc. Jpn. Vol. 72, pp. 327-37 (1999).	
HW	L	Yamashita, Kenichi, et al., "Electrochemical Detection of Base Pair Mutation," Chemistry Letters, pp. 1038-39 (2000).	

Examiner Signature	Date Considered
<i>Shigeori Takenaka</i>	1/8/03

\*EXAMINER Initials if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include only in this form with next communication to applicant.

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PTO/SB/03A (10-01)

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1  
Application Number 10/067,502  
Filing Date February 7, 2002  
First Named Inventor Shinichi Kobori  
Art Unit 2853  
Examiner Name Not Yet Assigned  
Attorney Docket Number 027944.102-US00

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Page, Column, Line, Where Relevant Paragraph or Relevant Figure Appear
		Number/Kind Code* (if known)			

## FOREIGN PATENT DOCUMENTS

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		Country Code* - Number/Kind Code* (if known)				

\*Applicant's unique citation designation number (optional). †See attached Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPED 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). †For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. †Add all document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. †Applicant is to place a check mark here if English language Translation is attached.

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publishing city and/or country where published.	†
HW	A	IHARA, Toshihiro et al., "Synthesizing and Applying the Bis-Intercalator as an Electrochemical Detection Probe of DNA," Proceedings of the Japan Society for Analytical Chemistry, p. 54 (1999).	✓
NW	B	TAKANAGA, Seigee et al., "Synthesizing the Electrochemical Threading Type Intercalator and Applying the Electrochemical Threading Type Intercalator to a DNA Sensor," Proceedings of the Japan Society for Analytical Chemistry, pp. 137-138 (1998).	✓

Examiner Signature: *Darryl D. B. [Signature]* Date Considered: 1/8/03

\*EXAMINER: Initial if relevant considered, whether or not citation is in conformance with MPED 603. Draw line through status if not in conformance and not considered. Include copy of this form with next communication to applicant.

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